

**MOTOR**

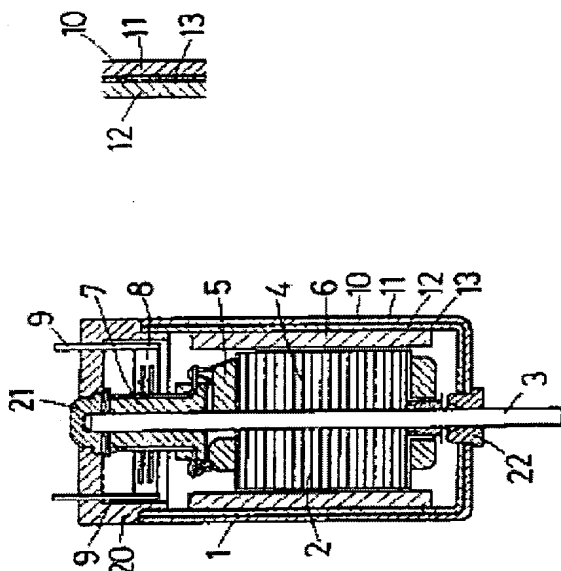
**Patent number:** JP2197235  
**Publication date:** 1990-08-03  
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**Classification:**  
**- international:** *H02K1/02; H02K1/12; H02K5/24; H02K23/04; H02K1/00; H02K1/12; H02K5/24; H02K23/02; (IPC1-7): H02K1/02; H02K1/12; H02K5/24; H02K23/04*  
**- european:**  
**Application number:** JP19890015665 19890125  
**Priority number(s):** JP19890015665 19890125

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**Abstract of JP2197235**

**PURPOSE:** To reduce the vibration of a motor itself by forming a part constituting a motor yoke from a damping steel plate.

**CONSTITUTION:** The rotor 2 of a motor 1 is composed of a rotating shaft 3 and a core 4 and coil 5, and said coil 5 is wound around said core 4. The case 10 of said motor 1 has the function of a yoke and is formed from a damping steel plate. Said damping steel plate has a sandwich structure, in which a resin layer 13 being an adhesive is formed from a viscoelastic material between two steel plates 11, 12. Also, the effect of damping the vibration of a motor 1 by the shearing phenomenon and sticking phenomenon of the internal resin layer 13 is given to said damping steel plate. Thus, it is possible to reduce the vibration of said motor, to improve properties of the motor itself and to lengthen the life thereof, because the vibration of said motor is absorbed by a yoke part formed from the damping steel plate.



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